

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF041825AL\
 Data File : FF015776.D
 Signal(s) : FID2B.ch
 Acq On : 17 Apr 2025 15:57
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/21/2025
 Supervised By :mohammad ahmed 04/22/2025

Integration File: autoint1.e
 Quant Time: Apr 21 02:40:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 041825.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 21 02:35:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.939	15893544	110.052 ug/ml
Spiked Amount 50.000		Recovery =	220.10%
12) S 1-chlorooctadecane (S...	13.370	11911156	113.687 ug/ml
Spiked Amount 50.000		Recovery =	227.37%
Target Compounds			
1) T n-Nonane (C9)	3.310	12230965	110.826 ug/ml
2) T n-Decane (C10)	4.565	12348769	111.153 ug/ml
3) T A~Naphthalene (C11.7)	6.275	13156983	120.052 ug/ml
4) T n-Dodecane (C12)	6.732	12568524	110.647 ug/ml
5) T A~2-methylnaphthalene...	7.372	12852077	127.546 ug/mlm
6) T n-Tetradecane (C14)	8.559	12488286	111.083 ug/ml
7) T n-Hexadecane (C16)	10.167	12605623	111.880 ug/ml
8) T n-Octadecane (C18)	11.613	12737055	110.987 ug/ml
10) T n-Eicosane (C20)	12.922	12715292	110.354 ug/ml
11) T n-Heneicosane (C21)	13.536	12706658	110.096 ug/ml
13) T n-Docosane (C22)	14.122	12654840	110.387 ug/ml
14) T n-Tetracosane (C24)	15.227	12601594	109.131 ug/ml
15) T n-Hexacosane (C26)	16.249	12331683	110.467 ug/ml
16) T n-Octacosane (C28)	17.199	12002066	108.969 ug/ml
17) T n-Tricontane (C30)	18.089	11906233	107.719 ug/ml
18) T n-Dotriacontane (C32)	18.922	11774482	105.277 ug/ml
19) T n-Tetratriacontane (C34)	19.706	11227254	106.695 ug/ml
20) T n-Hexatriacontane (C36)	20.447	11313167	107.296 ug/ml
21) T n-Octatriacontane (C38)	21.185	10847482	112.161 ug/ml
22) T n-Tetracontane (C40)	22.098	10832800	113.376 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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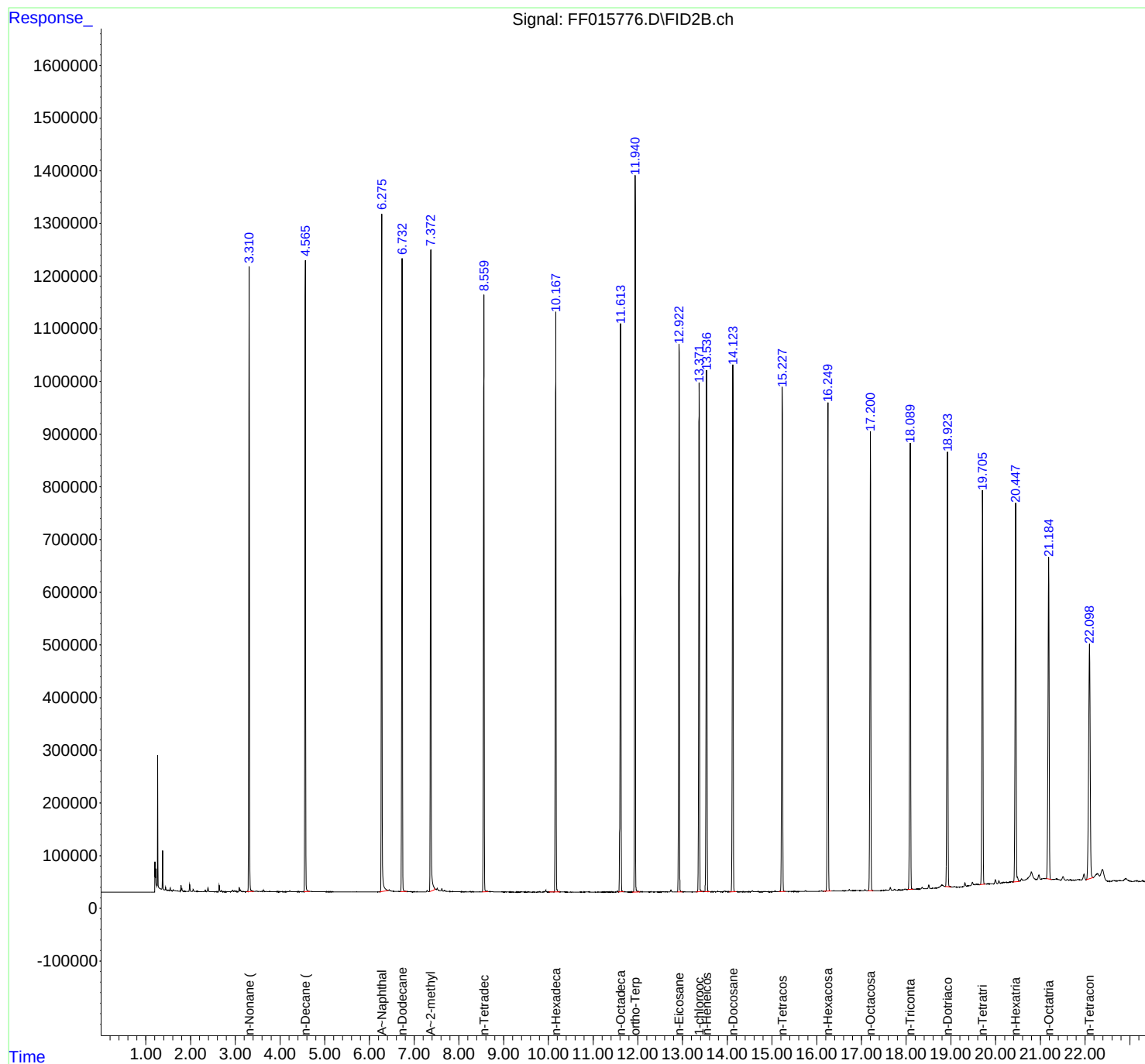
Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1

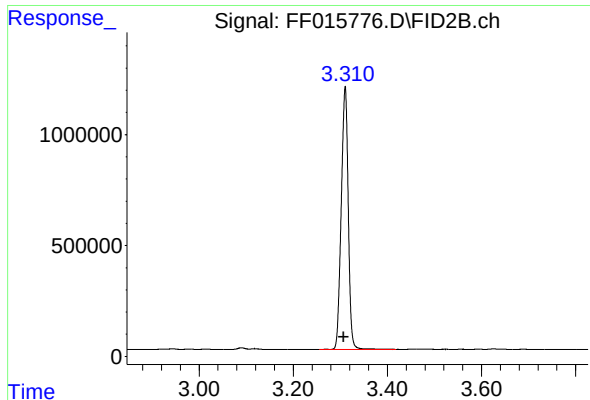
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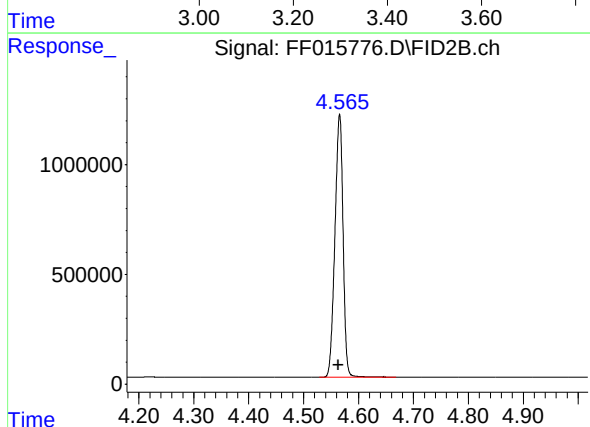
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: 0.003 min
Response: 12230965
Conc: 110.83 ug/ml

Instrument : FID_F
ClientSampleId : 100 PPM ALIPHATIC HC STD1

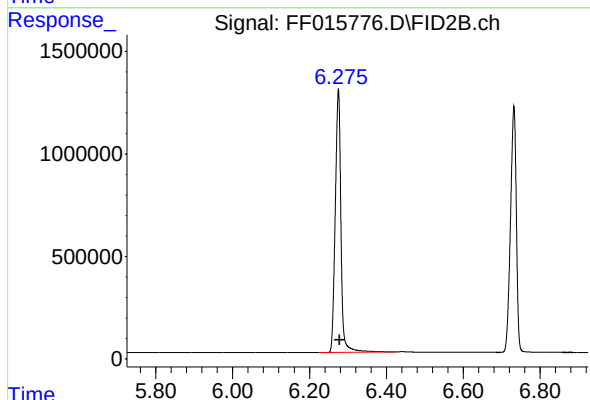
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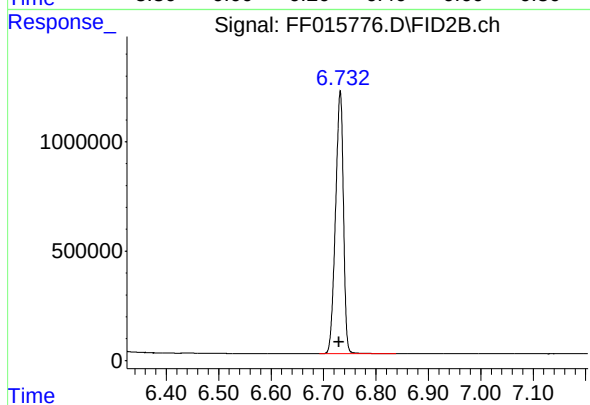
#2 n-Decane (C10)

R.T.: 4.565 min
Delta R.T.: 0.002 min
Response: 12348769
Conc: 111.15 ug/ml



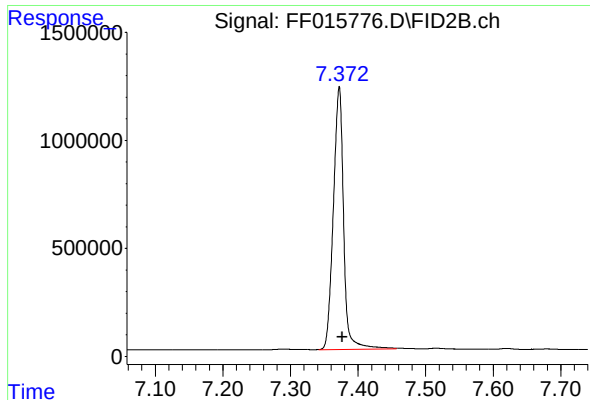
#3 A~Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: -0.003 min
Response: 13156983
Conc: 120.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: 0.002 min
Response: 12568524
Conc: 110.65 ug/ml



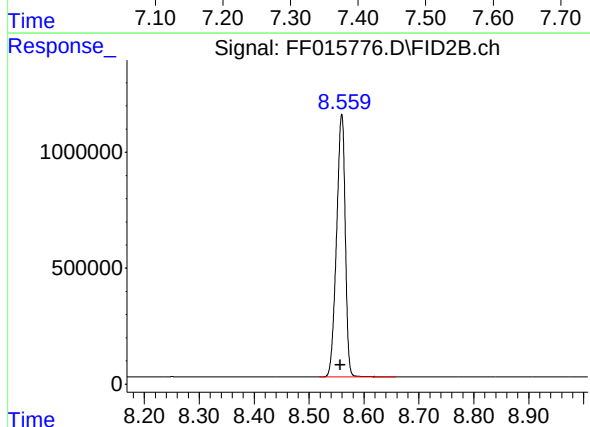
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.372 min
Delta R.T.: -0.005 min
Response: 12852077
Conc: 127.55 ug/ml

Instrument : FID_F
ClientSampleId : 100 PPM ALIPHATIC HC STD1

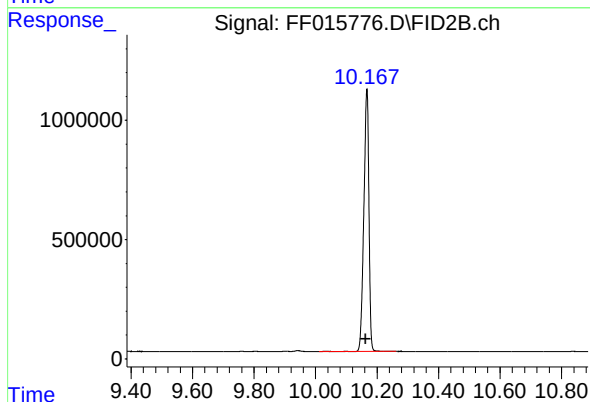
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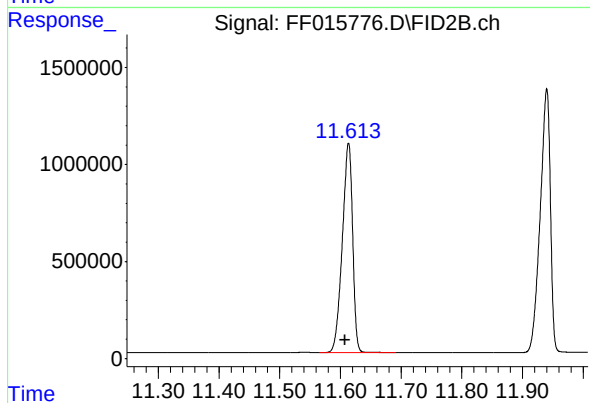
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: 0.002 min
Response: 12488286
Conc: 111.08 ug/ml



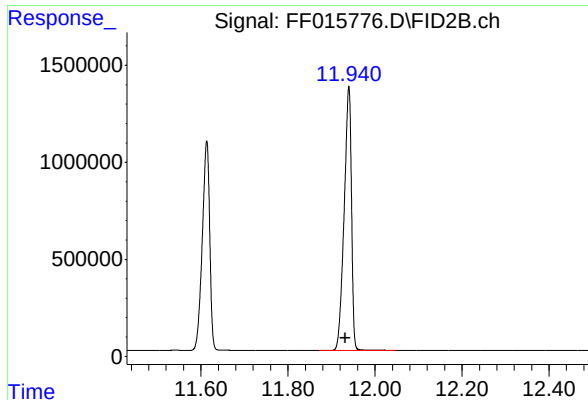
#7 n-Hexadecane (C16)

R.T.: 10.167 min
Delta R.T.: 0.003 min
Response: 12605623
Conc: 111.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.613 min
Delta R.T.: 0.006 min
Response: 12737055
Conc: 110.99 ug/ml



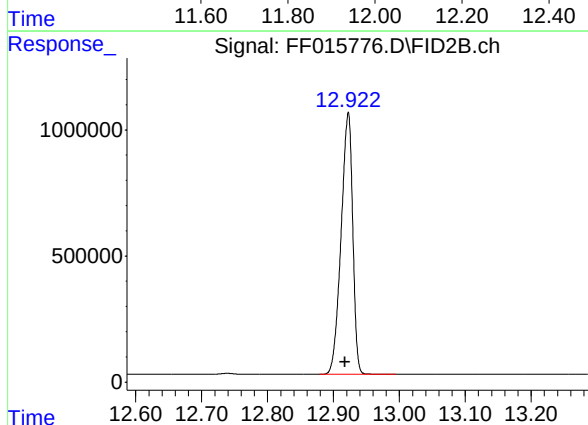
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: 0.008 min
Response: 15893544
Conc: 110.05 ug/ml

Instrument :
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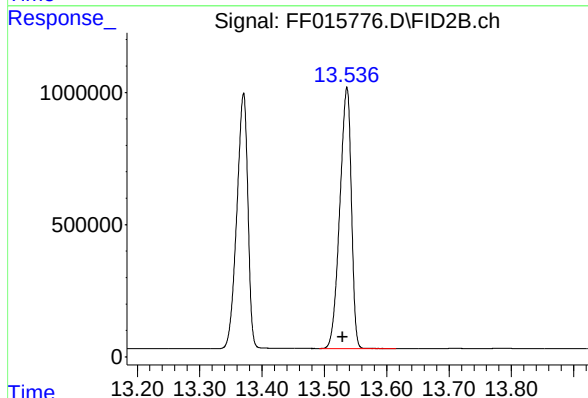
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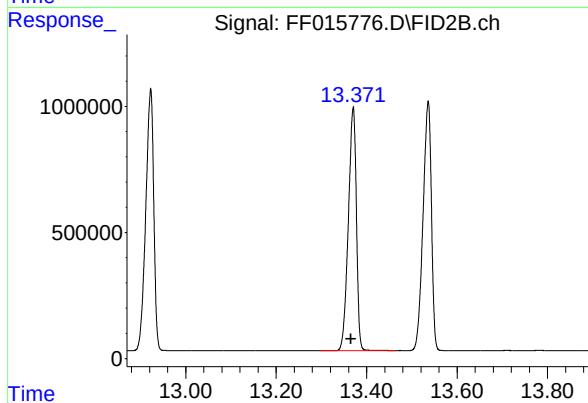
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.004 min
Response: 12715292
Conc: 110.35 ug/ml



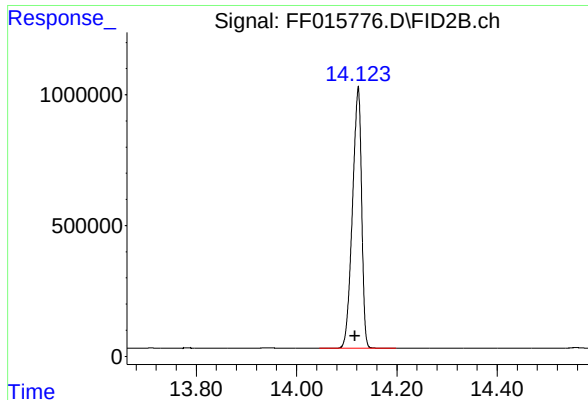
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.006 min
Response: 12706658
Conc: 110.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.005 min
Response: 11911156
Conc: 113.69 ug/ml



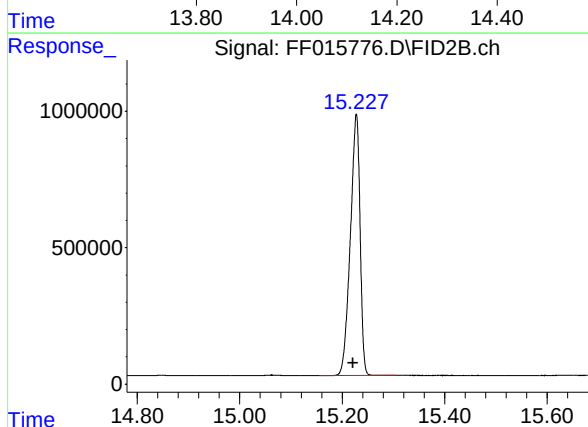
#13 n-Docosane (C22)

R.T.: 14.122 min
Delta R.T.: 0.006 min
Response: 12654840
Conc: 110.39 ug/ml

Instrument : FID_F
ClientSampleId : 100 PPM ALIPHATIC HC STD1

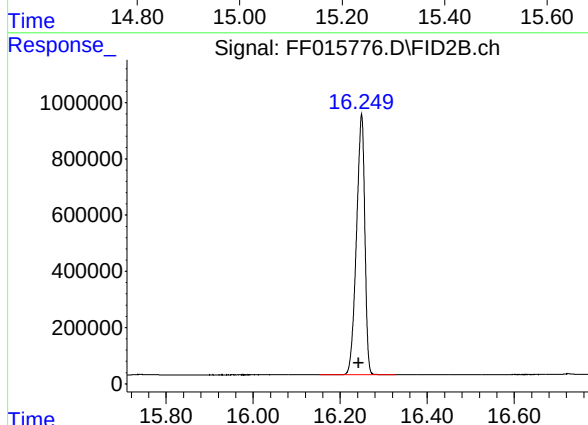
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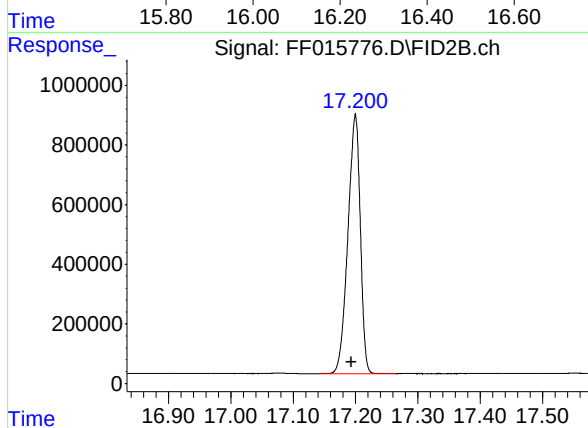
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.006 min
Response: 12601594
Conc: 109.13 ug/ml



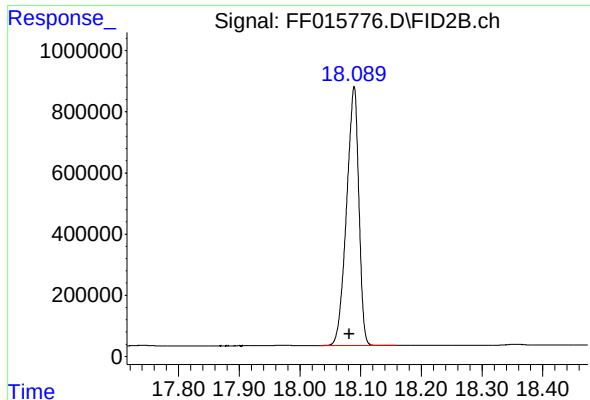
#15 n-Hexacosane (C26)

R.T.: 16.249 min
Delta R.T.: 0.006 min
Response: 12331683
Conc: 110.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: 0.006 min
Response: 12002066
Conc: 108.97 ug/ml



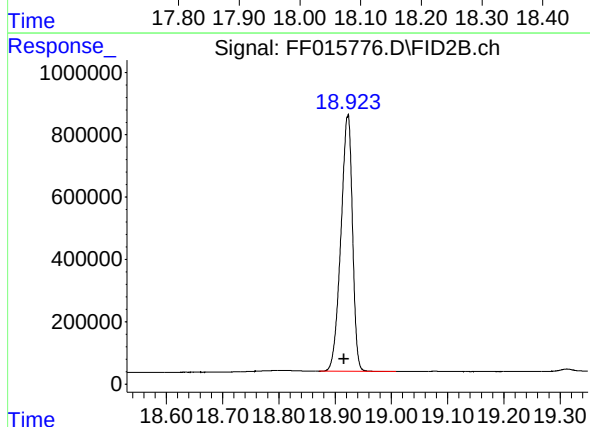
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: 0.007 min
Response: 11906233
Conc: 107.72 ug/ml

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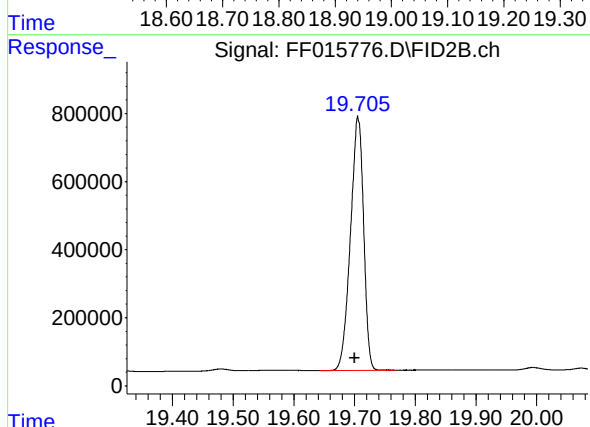
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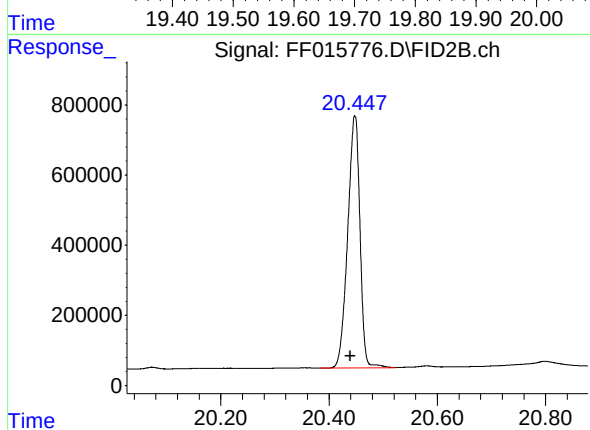
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: 0.007 min
Response: 11774482
Conc: 105.28 ug/ml



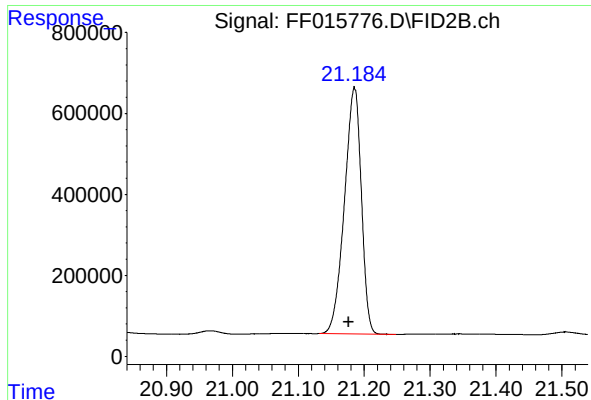
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.006 min
Response: 11227254
Conc: 106.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: 0.008 min
Response: 11313167
Conc: 107.30 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: 0.009 min
Response: 10847482
Conc: 112.16 ug/ml

Instrument :

FID_F

ClientSampleId :

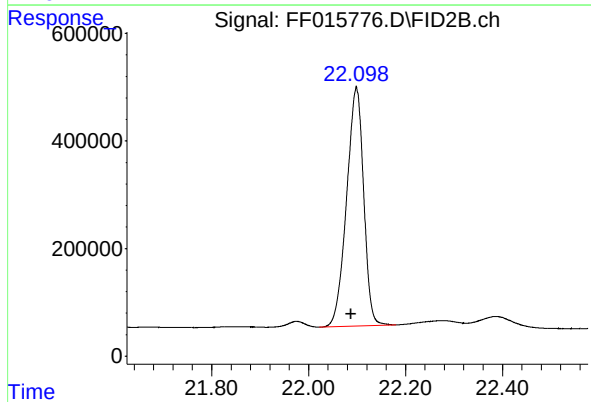
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#22 n-Tetracontane (C40)

R.T.: 22.098 min
Delta R.T.: 0.011 min
Response: 10832800
Conc: 113.38 ug/ml